/INDUSTRIAL COMMERCIAL

purchase. Wrkmanship. F & Decker So tric" in the yased where re to any ack & Decker warrants this product for one year froat without charge, any defects due to faulty mat turn the complete unit, transportation prepaid, to niter or Authorized Service Station listed under "ges. This warranty does not apply to accessories or we been made or attempted by others.

LITY, repairs, maintenance and adjust: & DECKER Service Centers or other using BLACK & DECKER replacement

CENTERS FACTORY

	Area	Area Telephone Code No.		Area T Code
ALABAMA: Birmingham 35209, 10 Green Springs Highway		942-0538	NEW JERSEY: Paterson (Little Falls) 07424, Rt. 46 East,	
ARIZONA: Phoenix 85004, 537 E. McDowell Rd.	:	258-1332	Holon 07083 2305 HS Highway 22 Weet	30
CALIFORNIA - Anahaim 02802, 519 West Seventh Street	714	372-3040	(1 Block West of Flagship)	
Fresno 93703, 2518 North Blackstone Avenue	508	224-2152	NEW MEXICO: Albuquerque 87107, 2812 Candelaria Road N.E 505	202
Los Angeles 90007, 2432 S. Broadway	213	749-0371	NEW YORK: Albany (Latham) 12110,	
Los Angeles 90007, 2510 S. Broadway (Sales only)	213	749-7638	Buffalo 14200 981 W Delater Atte	216
Daktand (San Leandro) 945/6, 15200 E. 14th St.	714	787-9700	Great Neck 11021, 98 Cuttermill Rd. (Sales only)	2
Sacramento 95814, 1915 Seventeenth Street	916	444-3188	Home Products Division	516
San Diego 92105, 3811 El Cajon Blvd	714		Professional Division	516
Santa Clara 95050, 2291 The Alameda	408		Automotive Division	916
S. San Francisco 94080, P.O. Box 231, 1139 Airport Blvd.	415	871-7278	New York 10469 1009 Old Country road (Westbury, L.i.)	212
OOL ODADO. Deman 90004 675 Malameth St	202		New York 10014, 227 Varick St. (Manhattan)	212
CONNECTION Bridgeport 06603 1055 I afavette Circle	303		New York 11377, 56-15 Queens Blvd. (Woodside).	212
Harford 06114, 131 Meadow Street	203		Rochester 14620, 476 Clinton Ave. S	716
DISTRICT OF COLUMBIA: Washington			Syracuse 13224, 2140 Erie Blvd. E.	315
Bladensburg, Maryland 20710, 4501 Baltimore Ave.	301	779-3808	Westbury 11590, 1059 Old Country Ra. (L.I.).	010
Falls Church, Virginia 22046, 129 Annandale Road	703	533-1147	NORTH CAROLINA: Charlotte 28206, 1710 N. Granam St.	3 5
Rockville, Maryland 20852, 1020 Rockville Pike.	301	340-7377	Consequence 27402 1010 M 1 as Street	010
FLORIDA: Jacksonville 32208, 5224 Pearl Street		356-2951	Balaich 27604 2420 Atlantic Avenue	919
Miami 33168, 13345 N. W. Seventh Avenue		681-6658	OHIO Cincipnati 45203 1225 Western Ave	513
Orlando 32806, 940 S. Orange Ave.		423-1651	Cleveland 44113, 3901 Detroit Ave.	216
OCODOLA Adjusts 20212 215 Technolad Dates MW		1750-770	Columbus 43227, 3975 E. Livingston Ave	614
Atlanta 30354, 3271 Hamilton Rivd. S.W. (Sales only)	404	763-1300	Dayton 45409, 2898 South Dixie Drive 513	513
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KANSAS: Wichita 6/214, 203 N. Mathewson Street	215	263-65/1	Strafford Building #3 (Sales only)	
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LOUISIANA: Metarre (New Orleans) 70002, 3310 N Causeway Blud	504	837.2550	SOUTH CAROLINA: Greenville 29601, 407 Pendleton St.	803
MARYLAND: Baltimore 21211, 203 West 28th Street		467-7411	TENNESSEE: Knoxville 3/917, 4110 North Broadway	610
Baltimore 21205, 4712 Erdman Ave.		485-5550	Memphils 30110, 900 East proons Ru.	615
Bladensburg (Wash. D.C.) 20710, 4501 Baltimore Ave		779-3808	TEXAS: Amarillo 79106, 3008 West 6th Ave.	806
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Detroit 48234, 11360 East Seven Mile Rd.	313	527-5010	Houston 77022, 536 Tidwell Rd.	713
Flint 48504, G-4083 Clio Road.		789-6191	San Antonio 78201, 500 Culebra Avenue	512
Grand Rapids 49509, 3662 Clyde Park Ave., S.W.		534-7708	UTAH: Salt Lake City 84115, 1541 S. Third West Street	
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St. Louis 63110, 615 S. Vandeventer Ave. (Sales only)		291-2772	WISCONSIN: Milwaukee (West Allis) 53227,	
MEDINASINA: Ulimina bosue, Zesto Legveliwot til Sti det	405	343-5330	10903 W. Lincoln Ave	414
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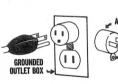
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LONDON, ONTARIO		BLACK

BLACKNO. 722054-02

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GROUNDED OUTLET BOX .





We recommend that you NEVER disassemble the tool or try to do any rewiring in the electrical system. Any repairs should be performed only by B&D Service Centers or other qualified service organizations. Should you be determined to make a repair yourself, remember that the green colored wire is the "grounding" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to

a 3-prong plug. Never remove third (longest) prong from plug. **EXTENSION CORD**

connect the green wire only to the grounding (longest) prong on

When using the tool at a distance from power source, a 3-wire, grounding-type extension cord of adequate size must be used for safety and to prevent loss of power and over-heating. Use the table below to determine the minimum wire size required in an extension cord.

Use only three wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged cords.

				_		
Ampere rating (on nameplate)	0 to 2.0	2.10 to 3.4	3.5 to 5.0	5.10 to 7.0	7.10 to 12.0	12.1 to 16.0
Ext. Cable length			Wire Siz	e (A.W.G.)		
25 ft 50 ft. 75 ft. 100 ft. 150 ft. 200 ft.	18 18 18 18 16 16	18 18 18 16 14	18 18 16 14 12 12	18 16 14 12 12 10	16 14 12 10	14 12 10 —

ADDITIONAL SAFETY RULES FOR POLISHERS

- 1. Before turning the switch to the "ON" position, be sure
- 3. Never use a damaged or torn polishing pad or bonnet.
- 4. Wear proper clothing, short sleeves, nothing loose or bulky such as shop coats, etc.
- 5. Don't overreach. Use both handles whenever possible.
- 6. Be extremely careful when polishing around sharp or protruding obeicts on the car body.
- 7. Always wear eye protection.
- the maintenance section.

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure D. An adapter, Figures B and C, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box. No adapter is available for a plug as shown in Figure D. Adapter shown in Figures B & C is not for use in Canada

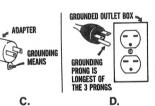


FIGURE 1

Trigger: To start tool, depress trigger; to stop tool, release trigger. To lock trigger in "ON" position for continuous operation, depress trigger, push in locking pin and then release trigger. To release locking mechanism, depress and release trigger. CAUTION: Grasp tool firmly with both hands before starting tool.

Side Handle may be attached to either side of tool for left or right handed operation. To attach Handle, turn End Cap to engage the bolt in the threaded hole on either side of the tool. Hold Side Handle so that its squared end will properly engage the socket on the side of the tool as the bolt is tightened.

Spindle Lock Button is used to lock the spindle when changing accessories. To engage the Lock Button: disconnect the tool from the power supply, depress the button, and turn the pad and spindle in a direction opposite to its ordinary direction of

NOTE: Do not depress spindle lock button while unit is running.

POWER TOOLS 5 R RULES SAFETY

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- the pad is free to revolve.
- 2. Care must be exercised to prevent accidental power cordpad contact. Remember that a pad with compound or wax tends to adhere to objects it touches, thus making the pad dangerous when rotating near the power cord. If the cord should be picked up in the pad, immediately shut the tool off and unplug the power cord before attempting to straighten it out. Be sure to examine the power cord for damage such as cuts, abrasions, etc. resulting from the pad contact. If there is damage to the power cord, have it properly repaired at a B&D Service Center or other qualified electrical repair company before using the tool again.

- 8. Clean your tool out periodically following the procedure in

GROUNDING

SPINDLE LOCK

MOTOR

and over-heating.

To remove brushes:

CAUTION

CONTROLS

HANDLE

BACKING PAD

MOTOR BRUSHES

Your Black & Decker tool is powered by a B&D-built motor. Be sure your power supply agrees with voltage marked on

nameplate. Volts 50/60 Hz means Alternating Current only.

Volts DC-60 Hz means it will also operate on Direct Current.

Voltage variation of more than 10% will cause loss of power

Inspect carbon brushes frequently. Replace when brushes are

worn down to the identifying letter or groove or when spring

exerts insufficient pressure to hold brush against commutator.

To assure product SAFETY and RELIABILITY, repairs, main-

tenance and adjustment should be performed by BLACK &

DECKER Service Centers or other qualified service organiza-

HANDLE COVER

BRUSH CAP

END CAP

LAMBSWOOL BONNET

TRIGGER

tions, always using BLACK & DECKER replacement parts.

Keep brushes clean and sliding freely in guides.

2. Remove brush cap and brass insert (Figure 5).

1. Disconnect tool from power supply.

3. Pull brush assembly out of brass insert.

rotation until Lock Button engages spindle.



8°0) Black & Deckel



date of

IMPORTANT!

To assure product SAFETY and RI ment should be performed by B qualified service organizations, al To assure product ment should be proqualified service or parts.

SERVICE 8 SALES

No. No. 942-0538 NEW JERSEY: Paterson (Little Falls) 07424, Rt. 46 East, at I naver North Rd.
224-2152 NEW MEXICO: Albuquerque 8/107, 2812 Candelaria Road N.E 505 49-0371 NEW YORK: Albany (Latham) 12110, R24, 170-050
Buffalo 14209, 881 W. Great Neck 11021, 98
241-9162 Automotive Division
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249-6241 Syracuse 13224, 2140 Erie Blvd. E
72a.3808 Westbury 11590, 1059 Old Country Rd. (L.I.)
533-1147 NORTH CAROLINA: Charlotte 28206, 1710 N. Graham St.
156-2951 Raleigh 27604, 2420 Atlantic Avenue
524-0431 Columbus 43227, 3975 E. Livingston Ave
0
5/3-0923 OREGON: Portland 97209, 1640 N.W. Johnson Street
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532-5569 Philadelphia 19103, 333 No. 20th Street (Service only)

10. SECURE WORK. Use clamps or a vise to	frees both hands to operate tool.	11. DON'T OVERREACH. Keep proper footing a	12. MAINTAIN TOOLS WITH CARE. Keep tools
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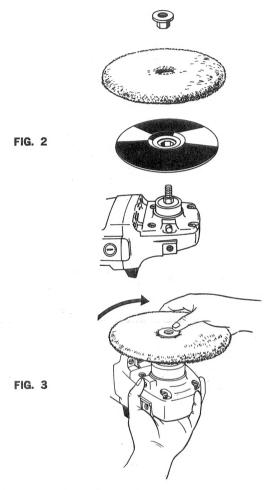
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IT OPERATE portable plus.

44-1655 44-1655 44-1656 68-0921 332-344 332-344 373-1531 778-9769 778-978-9769 778-9

ATTACHING PADS

BE SURE THE TOOL IS UNPLUGGED! Push the hub of the clamp washer through the hole in the center of the Lambswool Pad as far as it will go. Engage the hexagonal Clamp Washer hub with the hexagonal hole in the Backing Pad (Fig. 2). Holding the three pieces firmly together, place the assembly on the tool spindle. Hold the spindle lock button while turning the pads clockwise to thread them completely on the spindle (Fig. 3).

To remove pads, turn them by hand in the opposite direction from normal rotation to allow lock button to engage spindle, then unscrew pads in normal direction for right hand thread.



GENERAL OPERATION

These instructions and suggestions are intended to familiarize new operators in overall general operation of POWER POLISHING. You will develop your own techniques which will make the job easier and faster as you learn power polishing.

As mentioned previously you should use utmost care when power polishing around or over sharp objects and contours of the car body. It is very important to use the correct pressure while polishing various sections of an automobile body. For example, light pressure should be applied when polishing over sharp raised edges of body panels. or over edges of the rain gutter along the top.

Since everyone does not use the same type of Power Polish, we recommend you clean and polish a test section on a flat area of the car **FIRST.** From this test secton, you can judge the strength or cleaning action of your Power Polish.

Remember, all Power Polish is not the same. Different brands will react differently on various painted surfaces. Also, you are now using a POWER POLISHER with Power Polish. This is entirely different from any hand application which you may have done before. Wash the car before power polishing it. Washing will remove loose dirt, scum, road salt, etc. which could act as an abrasive and damage the paint. Loose dirt, etc. will also clog the polishing pad and you will have to clean it more often.

GENERAL OPERATION—continued

Without turning tool "ON", grasp the handles of the tool and pick it up. Keep the tool away from your body and turn the switch "ON". Make sure you have a firm grip on the handles and operate the tool freely without forced effort or unnecessary pressure. The side handle can be easily changed to either side of the tool for left-hand or right-hand operation.

POLISHING

Spread a light coat of a good grade of polish, with a soft clean cloth or brush, over a small area and apply the Polisher before the polish dries. When starting to polish, it is all right to have the Polishing Pad resting squarely on the surface, but as the scum and film begin to work loose, start tilting the tool so that the dry outer section of the Polishing Pad comes in contact with the surface. If hazy spots still remain, apply a little more polish and work out these spots.



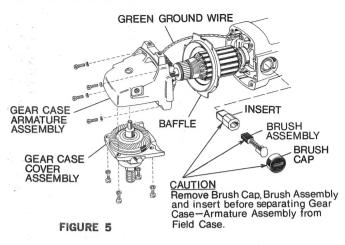
Start polishing with the roof, move to the hood, the fenders, the doors, etc. In this way, the slight dust that may be thrown off into the air by the revolving pad will not fall on completed sections, and the power cord will not be dragged over completed portions. When the car has been completely polished, an additional high lustre may be obtained if a few drops of water are sprinkled on the surface and gone over quickly with the Polisher or a clean dry cloth. (If a cloth is used, It is not necessary to rub—merely wipe.)

A Polishing Pad will become discolored with use because it has picked up "dead" pigment from the car surface. Excess dirt on the pad can often be removed by lightly touching the pad to an edge of the car bumper while pad is rotating. (The edge of a work bench or garage door will serve the same purpose.) When the pad becomes very dirty, remove it from the tool and dip the wool part only (do not get the back of the pad wet) into a pail of clean water, scuffing the pad with your hand. Put pad back on polisher and spin it dry.

CLEANING COMPOUNDS

The general procedure for using cleaning compound is similar to that used for polishing. Spread a light coat of a good grade of compound on the surface with a clean cloth or brush and apply the Polisher. Best results are obtained when the unit is operated with the pad at a slight angle to the work surface. Care should be taken in the amount and coarseness (light, medium or heavy) of the compound used and the speed and pressure exerted on the work surface. (See General Operating Instructions.)

MAINTENANCE



To assure product safety and reliability, repairs, maintenance and adjustment should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts.

Cleaning:

The air intake openings in the handle should be kept free and clear of dust and dirt by blowing through them occasionally with an air hose. If more thorough cleaning within the motor housing is required, follow the disassembly procedure outlined below.

CAUTION: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. Use clean, dry rag only.

Disassembly of Unit for Cleaning

- 1. Disconnect tool from power supply.
- 2. Remove handle cover.
- 3. Remove Brush Caps, Brush Assemblies and Brass Inserts.
- 4. Remove the (4) screws holding the Gear Case-Armature Assembly to the Field Case.
- 5. Pry Gear Case-Armature Assembly out of Field Case.
- Remove Gear Case-Armature Assembly from Field Case avoiding force when pulling green Ground Wire through Field Case. Guide green Ground Wire on handle end of Field Case as required.

Assembly Procedure

- Ground Wire must be securely connected to the Gear Case-Armature Assembly.
- 2. Position Baffle in the Field Case.
- Pull green Ground Wire on handle end of Field Case while Gear Case-Armature Assembly is inserted into Field Case. No slack wire may remain in the Gear Case or the Field Case.
- 4. Tuck excess Ground Wire into space between Field Case and Handle.
- 5. Replace Gear Case-Armature Assembly mounting screws (4).
- 6. Replace Handle Cover.
- 7. Replace Brass Inserts, Brush Assembly and Brush Caps.

Brushes:

Inspect carbon brushes often. Replace when brushes are worn down to the identifying groove or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding free in guides.

To remove brushes:

- 1. Disconnect tool from power supply.
- 2. Remove Brush Cap and brass insert.
- 3. Pry sheet metal cap on Brush Assembly out of brass insert.

Lubrication:

Except for the needle roller bearings used at the upper end of the spindle, closed-type, grease-sealed ball bearings are used throughout. These bearings have sufficient lubrication packed in them at the factory to last the life of the bearing. The needle bearings mentioned above receive their lubrication from the grease in the gear case. Gears should be lubricated every 60 to 90 days in accordance with the following procedure:

- Remove the (4) Screws and pry the Gear Case Cover Assembly from the Gear Case-Armature Assembly.
- 2. Wipe out old grease from Gear Case and Cover.
- 3. Place 3 oz. Black & Decker lubricant (Cat. 60541) on top of gear.
- Re-assemble Gear Case Cover Assembly to Gear Case-Armature Assembly carefully so that Gear meshes properly with Pinion.

ACCESSORIES:

CAUTION: Accessories shown on this page are recommended for use with your Polisher. The use of any other accessory might be hazardous.

Random Orbit Buffer Head

Rubber Backing Pads

same as #51824 Pad below.

#63313 Random Orbit Head assembly is available as a separate attachment, complete with one bonnet, as an accessory to fit any standard automotive polisher having a $\frac{5}{2}$ ".11 thread. Use it to convert your present polisher to a Random Orbit Buffer. CAUTION: Do not use this accessory on tools with speeds that will-exceed 3,000 RPM.

#50934 7" Quick-Change Flexible Backing Pad. Includes #50933 Clamp Washer: attaches

#51824 7" Quick-Change Super Flexible Rub-

ber Backing Pad with #50933 Clamp Washer.

Washer is threaded inside: fits through hub of

#36239 7" Cushion Pad with #45925 Clamp

Washer. A superior cushioning pad for use with Vitri-Buff Bonnets. Threads directly on

pad, and threads onto spindle of polisher.



Random Orbit Buffer Head



Rubber Backing Pad



Cushion Pad

Lambswool Bonnets and Pads

Made of high quality lambswool skins. Economically priced.

#13086 7" Lambswool Polishing Pad. Use with #51824 Quick-Change Super Flexible Rubber Backing Pad.

#13087 7" Lambswool Polishing Bonnet with hood and drawstring. Use with #51824 Quick-Change Super Flexible Rubber Backing Pad. #22176 9" Lambswool Polishing Bonnet with hood and drawstring. Use with #36239 Cushion Pad.



Vitri-Buff Bonnets and Pads

Gives a superior shine on all car finishes. Each tuft is twisted and locked to backing pad by patented construction method. Very resilient, stronger pile, more body. Outlasts other buffs many times over.

#45434 7½" Vitri-Buff Pad. #37796 7½" Vitri-Buff Bonnet with hood and

#37796 7½" Vitri-Buff Bonnet with hood and drawstring. Use with #51824 Quick-Change, Super Flexible Rubber Backing Pad.

#37797 9" Vitri-Buff Bonnet with hood and drawstring. Use with #36239 Cushion Pad.



Vitri-Buff Bonnet

Clamp Washers

#50933 Replacement Clamp Washer. Insidethreaded; fits through hub of #51824 and #50934 Quick-Change Flexible Backing Pads and threads onto spindle.

#45925 Replacement Clamp Washer. Outsidethreaded. Use with #36239 Cushion Pad.

Formulated for one-operation cleaning and

polishing with power polishers. Leaves clean

lustrous, sealed surface that stays hard and

bright for months. Won't remove or harm live

Power Polish #48428

paint. 1/2 gallon.



#50933 Clamp Washer

#45925 Clamp Washer



Power Polish